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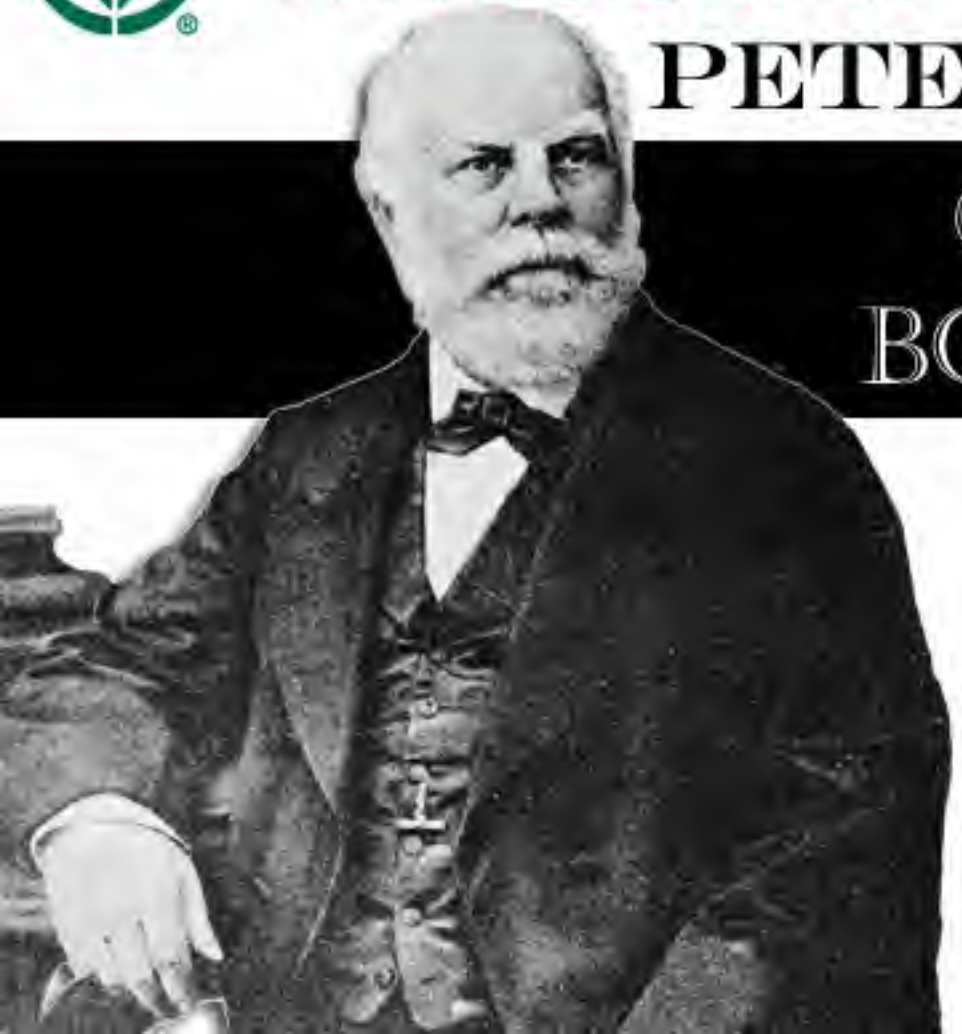

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Copy to Buchanan

St Louis Jan 19 1865

Hon Buchanan

Washington Co

Die mir Ihre Mittheilungen über Ihre Reise, ob ich, ob wir in Ihrem Interesse gehandelt haben, ob Sie mit dem Erfolge zufrieden sind; - Ob Sie Sich Lange nicht geschrieben. Ja, ich habe alle Ihre Mittheilungen mit Ihrem Interesse; die Enthüllungen über die gestrigen Ereignisse sind mir wohlbekannt; das nicht gesagte aber ist Ihre Antwort über die Bemerkungen die Sie hierüber machen, das muß Sie interessiren aber Sie ganz, wie mir Ihr liebster Brief über den selben Gegenstand hinlänglich sagt. Ich bin in Ihrem Interesse da; in welcher Eigenschaft die Ihnen Recht ist; ich drücke Sie und Ihre Worte.

Ich selbst habe Ihnen Alles mitgetheilt was in Betreff meiner Reise in Interesse Ihrer Sache gethan. Ich bin zurückgekommen, ging mit der "Europa" am 12 Sept von Nyork in See, welche bei Nacht in Southampton und Cowes mit der nöthigen Depeschen

9867

Wollten Sie doch so gut sein, uns Ihre
werthe Adresse, sowie auch die Ihres Herrn
Bruders mitzutheilen. Ich sind wir
selbst Pflanzen, die nun, Gott sei
aber ein sehr gutes Gedächtniß
besitzen, besonders aber Ihr
Californischen Gräser, so dass wir
wenige Exemplare selbst haben,
so bin ich sehr gerne erbötig
Ihnen mit solchen zu dienen.
Sind wir doch Tauschleute, da wir
selbst Pflanzen, die uns fehlen
aber in sehr guten Exemplaren
besitzen, gegen solche von
Ihnen, besonders aber Ihre

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und der Begriff klein oder für eine Lösung
aber auch für Rückweg auf die Idee
krieg – Und nun die "Lösung" einen
breiten Grau Linien" entstehe ich kann ich sah
der Rand Verbrauch auf der Grau die
abkaufen. der Grau habe ich für unter-
gelegt, der mit der breiten 11. Mal ich
mit begriffen wollte, nur daß kein
Maßen mehr auffallend ist (daß der
sonder ist selber ich selbst gesagt), daß
ist, daß kein Riffen da ist – ich
sind aber die Riffen ganzen Vorsprung
die Grau Linien mit Gruß schwarzen
Und unsere dass die Begriffe dazu
ab. Bei unsere (J. Tennis st)
sind die Riffen kann erkenntlich, die
andere stärker, aber die Grau Linien
sind nur auffallender, wie gesagt. Über
dies gehe alle B form – ich auch
über – wie überall # der Maßen
einen Strahlen dass ich kann D Farbe
nur aufgezeichnet werden!
Lage Riffen auf die feinen Maßen
Bericht, wo nur stärker Riffen auf die ehr
Nebenlinien in Fall der Farbe Maßen
benutzt Riffen. Auf mit die Riff
schwarz Maßen mit einem d. Schwarzlate
"auffallend" auf der Grau Linien Farbe
nur D die Riffen als unterschied
Rand D ist so auffallend als die
der andere abgeschlossen, in der Roman-

TANICAL GARDEN
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[illegible] Chalet [illegible] in [illegible] in der Nähe [illegible]
[illegible] [illegible] [illegible] [

Iunci sent by Director Regel
from St Petersburg 1864

					avec
№ 1.	J.	castaneus		Baikal	
2	J.	articulatus		Baikal	
3	J.	filiformis		Irkutsk	
4	J.	Gerardi		"	
5	J.	bufonius	var fasciculiflorus	Irkutsk.	
6	J.	arcticus		Sitcha	Mertens
7	J.	near pleocephalus?	3-6 anthes	Sitcha	
8	J.	arcticus	scpal inter. longior obtusa; stylus brevissimus	"	pol. Mertens
9	J.	alpinus	parvus, verus, (sem. (crassis)		Sitcha
10	J.	Mertensianus!		Sitcha	Mertens
11	J.	arcticus	var	" ?	" ?
12	J.	biglumis		St Lorenz Bay	Eschscholtz
13	J.	triglumis		"	"
14	J.	arcticus	var	Unalashka	"
15	J.	xiphioides	var triandrus	(J. castaneus,	Unalaschka
16	J.	Drummondii	Hey.	Unalaschka	Mertens Esch.
17	J.	falcatus	Hey.	Unalaschka,	Eschscholtz
18	J.	~~pleocephalus~~	Lng	xiphioides var	"
19	J.	castaneus		Kotzebuesund,	Eschscholtz
20	J.	Drummondii	Hey.	Unalaschka	Mertens
21	J.	xiphioides	var triandrus	(J. castaneus)	Unalaschka
22	J.	arcticus	var		Mertens
23	J.	Drummondii	?	Korjäginsk	Mertens
24	J.	biglumis		"	"
25	J.	filiformis		Nischne-Kolymsk	
26	J.	biglumis		Kamtschatka	
27	J.	castaneus		"	
28	J.	filiformis		Kfa	
29	J.	Leschenaultii		"	
30	J.	arcticus	var	"	Stewart
31	J.	"		"	"
32	J.	Baltieus? very large-flowered,		like Drummondii	Kamtschatka
33	Rhynchospora			"	
34	J.	alpinus		"	the European form (Fr. Schmidt)

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Arctium, caps. pyrif.

appreciably in seeds & inflor.

& stam. Bulbiferous!

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Notes on Juncus ex DC Candolle
1864

Juncus sp. nov. Chilens Phil in Lin 29. 74
flor Chil VI. p. 136
J. meyerianus Lieben. Bot. Jahrb. 1854. p. 621.
Gr. Rº
J. nov. Holl. Mull. Mey. in Lin 1853.
J. Brasil, Lenbert in K. Gen. fasc. 8 p. 243
J. austr Lin 20. 1847. p. 565
J. nov. A. Brasil. II. 46
J. sp. Schlecht. Lin. 1844 p. 440
J. ind. Don. Trans Linn Soc 18. p. 317
Juncus Megaseiensis, Nees in Nov act. nat
Cur. 19. suppl 1. p. 125

Ex Buch Index Candolleanus
vol III. Virgin 13te Fasc der
Bordeaux

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Berlin Jun 1868

J. falcatus Unalaschka Cham & Sch

San Francisco Cham

Monterey, Hanke

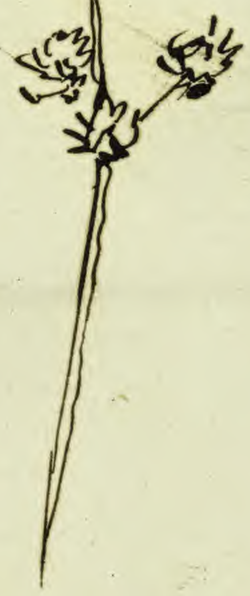
J. accuminatus var debilis, sub nom | J. accuminatus Carolina, Beyrich

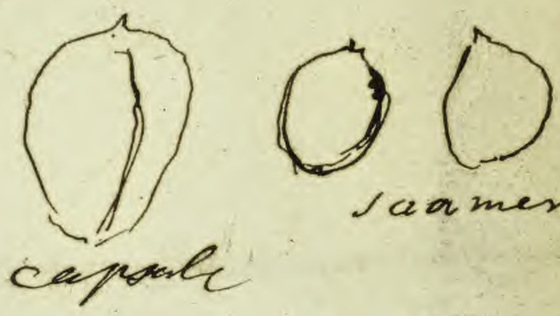
with Meyers own handwriting | as follows.

J. peloearpus mihi
nec dichotomus Elliott, nec accuminatus Michx
Cf. genae ad aliud ejusdem speciei specimen
adnotavi. E. Meyer 1845

[J. textilis Gaud.] Mexico Berlandier 744

J. Drejeanus Kth! Drege





J. platycaulis Kunth!
E monte Quindiu
Bonpland ded.

6–7 inches high –
very much like
a compact J. tenuis

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Berlin June 1868

Juncus ; Drege 2472.6. Cp. 6. Sp.

minimus 1-two 2-flowers (fere 3 triflorus)

J. — Drege 2471.a

idem, major pumilus, fl. 3-4 vel capitata

2-4 floris !

J. articulatus var. fistulosus Uralaralka, Chamisso —

marked: J. balticus Willd

certissime !

(Kunth)

another Caspar from Kamtschatka

is apparently the same — it has the same

indorsement from Kunth !

J. compressus H.B.K. ! et Nees. Bongl. small specimens

with very thick rhizome, exactly like Schaffners no —

— Schiede, Orizaba 3—14 inches high.

— Am bor. or. ? Douglas ; Banks ded. 1830

May it be J. balticus ?

J. filiformis Kamtschatka A. Adolf von Erman

J. vaginatus Prov. N. Holl. 1864

J. acutiflorus Lisbon = ? J. effusus

J. pallidus A Br. Sicily 429 in Elsass, fine

J. maritimus & acutus Cape of Good Hope

" J. maritimus Eckl & Zeyh. Exsicc. 3.

is perhaps J. Krausii Hochst. Flor. 28. (1845) p. 242

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HG-DeCandolle Aug. 1868

Lupinus Chilensis also from California Douglas.

Juncus Balticus (in flower) Newfoundland de la Pylaie 1826
tall and stout specimens, also slender ones from
the same, similar to and placed with Oakes' specimens

J. effusus, very large form from Nfoundland, de la Pylaie 1826
(det v. leg. 1826 ??)

J. fasciculosus Guillon, said to be tricuspis — Abyssk = effusus?
specimen scarcely = flowers

J. Pylaei — original specimen, looks very much like effusus
but flowers much larger — apparently not distinct from
J. glaucus — specimens not or scarcely = flowers —
capsules green — not brown — J. glaucus has not been
found = North America yet

J. acutus Coquimbo, Chili, Gaudichaud 1834 No 47
Montevideo Gaudichaud. 1839
Azores, St Michael, T. C. Hunt. 1847

J. "pervarius forma pallida" = J. variflorus Hartm.
is our American pale plant, some of the
specimens represent exactly J. elongatus Ehrh!

J. nodosus = capitulus Terra nova, de la Pylaie

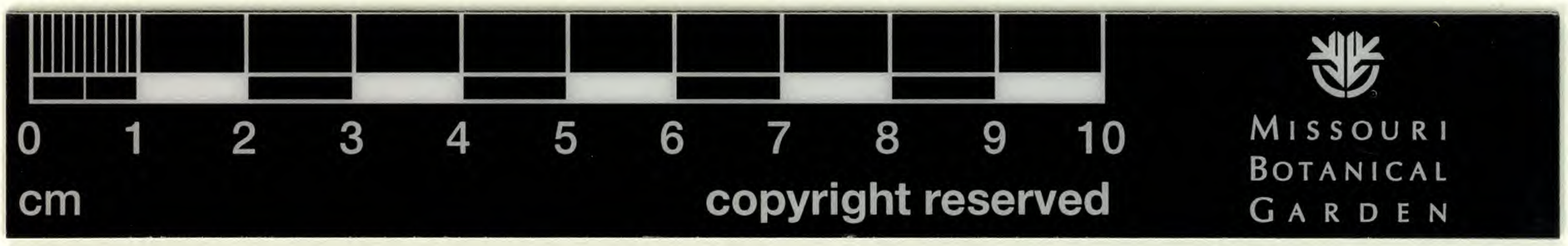
"J. polycephalus Mich. Nov. Eborac." Torr. ms 1835
is a fine specimen of J. alpinus var insignis

J. Canadensis longearistatus } de la Pylaie
communtatus } Newfoundland.

J. sub nom. "repens v. var planifolius" Newfoundland de la Pylaie
can it be a very slender broad leaved form
of J. articulatus?

J. acuminatus var diffusissimus with very long capsules, but
habit of ordinary acuminatus. Texas, Wright. 1848. 49

J. echinatus Mert. 1827 = J. scirpoides maritimus Cognitus.



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"J. capitatus" Torrey Mem. de la Sylvie 1826.
certainly the plant — but question, whether really from Newfoundland ?? — a plant 2 inches high —

"J. Nicholsonii (nobis)" Carolina, Mr Elliott 1827
(in Dr Carolli Herbarium)

J. bufonius fasciculatus = J. insularum Viv. — (a Genoa)
J. plebeius Sieb. Herb. Agrostotheca N. 17
J. monanthos Schrank & Hostii Tausch are plants I have not seen; both from Salzburg & Austria — Alp.
J. stygius var β. Laharpe "Kunth"

Torrey Mem. de la Sylvie 1826
a plant 7 inches high — leaves half as long, heads small, pale 3—4 flowered, bracts broad, longer than the capsule, pale obtuse, capsule shorter, obtuse — (seed on flowers & seeds)

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Herb. de Bonpeviille, Paris April 6 1869

James Balbisiana "Missouri" Prairie Mer de Sioux
1231. 2 specimens of Juncus, marked by Mandel as
probably two distinct species,
W. Lechler pl. Magellan 1231. in paludosis
prope Gregory Bay, Jan.
both seem to be the same thing and apparently Juncus
Lescurii, one of them with leaves — therefore
both probably = J. compressus, and uniting
all these plants with J. Balbisiana

287. Schimper, Asphidian, 1835 17 Juncus.
is without doubt J. acutiflorus

J. pelocarpus ad sin. Hudsonis Michaux
— — Terre neuve, La Pylaie sub nom.
J. fascicularis (Hb. Richard)
J. Balbisianus sub depauperatus, sub nom
J. setaceus, Michaux, Hudsonsbay &
La Pylaie Terre neuve

Juncus nodosus, genuinus, correctly named:
Moser, Pennsylvania usw. Ten. 1832
"J. polycephalus Michaux, Georgia, Carolina" is a var
of J. acutiflorus intermediate between β & γ
"Juncus pelocarpus Auct. recpt." ex Hb. Richard
is our form of J. alpinus
"Juncus scirpinus Mauch Sitcha" presented
label, a small plant 6 inches high, with underlong
flowerheads — culms 6 at scirpinus, but obtuse?
Large sepals — nodose leaves

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Juncus acuminatus Michx Carolina superior
2 spicatus young & on of the — not developed
the other has some unripe capsules, not so long as
sepals. Same as in Herb Mus Paris.
Richl 1838 ed. F. Frank in Hb Steudel, also
both correctly named! So that Steudel knew the
plant!
" Th Kunlien Hist Viscos exs.
178. J. acuminatus Mx. var legitimus from Arabama
This is too young, but most probably J. Canadensis var
longecuspidatus
" Kunlien etc 90 " J. acuminatus Mich " is J. nodosus
genuinus
J. Mertensianus Bong. Sitka (unripe capsule)
is the true Mertensianus — a species of
J. Castaneus together!

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Juncus nodosus uniglumelatus
1, as: Junc. debilis, Fr. potius acuminatus Mx
Carol. auth. M Curtis ex Hb Lenormand
[a conjecture — probably not from S. Carol?]
Steudel scripsit.
2, J. polycephalus. Frank Ohio, Mr. ittin 1837
J. scirpoides Ohio, B. Matthes N 28 in
nodosus genuinus major
J. scirpoides, ~~Lamarck~~. Drege Cey. 1850 in J. acuminat
" J. ~~polycephalus~~ Jacq, Jacq in Litt " Richl. 38
Fl. 1838 in J. Canadensis
J. simplex Steud (ex Hb Steudel)
Drege 1604. b. in Capensi Sanguisorbeus
J. stenophyllus Steud. in the same, floribus laxis

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I. submonoiciphobus Steud is ± expansi modum
I. subglandulosus Steud HB Drège no 8795 (2 ii)
has rough stems; a slender plant with single head

86. Juncus subbicornuus Steud, arrunitus Mich?
sed folia plana non subarticulata
Louisiana

Steud scripsi: nothing but J. repens

I inquatus Kth fide Steud HB. Drège 2471 a is the very slender plant I have, 4" high.

Juncus delicatulus Hsm. Drège 1604 e is a form of Expansi

I. Dregeanus Desv = HB Steud is J. bufonius

J. articulatus Mich own spec — ex HB Richter is the forma biflora!

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I. Germanorum Steud No 146 is J. tenuis
spec. from Memmingen

I. vaseillaus Steud. Am. sept. Lenon 1826
= HB Lenormand.
is J. tenuis

I. Canadensis Royle Hook & Thomps — is a
paliflowered plant habit of triglumis major

I. grandiflorus Forst 1232 Lechler, Magellan Plants
has a very stout horizontal rhizom, large ovate
sheaths at the scapes bases, scapes pretty
close together

I. salsuginosus Turcz is Ekeb Carex J. Castaneus, perhaps
distinct from this species

I. trigonocarpus specimens from the Castle Society Hill,
ex. HB Lenormand — & ex HB. Steud — former —
fruit, color & flower are no doubt our J.
candatus, Chapm.

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334 Juncus strictus Schousb. Arbuisk. Lusit. 1840 —
with Steudels note: [Juncus capsularis / Hochstetteri] Steud Glyc. mss
see Steudel Synop p. 299 — nro 59 why not the
real strictus?

J. teniflorus, Corsica, de Forestier Lg
J. Sprengelii Nees is the small, compressed headed, plant
from the Cape. Fryer & Schl

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Herbarium Jussieu Bor. Am. normale
began to distribute, March 5
finished packing, and removed from Shaw's
April 10th

1.	J. Roemerianus		74		74	Canby
2.	J. Balticus	Littoralis	62	March 5th	62	Kaphan
3.	J. B.	Litt	100	320	100	Bigelow
4.	J. B	Litt.	84		84	Porter
5	J. B.	Litt.			57	Bolander
6	J. Lesueurii				100	Kellogg.
7	J. effusus	Communis		6	100	Bigelow
8	J. eff.	Comm		457	100	Ravenel
9	J. eff.	" gracilis			100	Bolander
10	J. eff	Communis laxus			72	Kellogg
11	J. eff	" c	compactus		100	"
12	J. patens	Var. glomeratus		7	50	"
13	J. p.	" densiflorus		496	74	"
14	J. setaceus				100	Ravenel
15	J. Smithii				100	Smith & Porter
16	J. Drummondii				45	Bolander
17	J. Vaseyi				100	Bigelow
18	J. Greenii				100	Mann
19	J. G			9th	100	Bigelow
20	J. tenuis	major		475	64	Porter
21	J. t	maj.	subsecundus		66	Hall
22	J. t.	congestus			23	Kellogg
23	J. t.	secundus			100	Porter & Leib
24	J. d'Scholonensis				100	Parker
25	J. t.	major			100	Ravenel
26	J. t.	minor			100	"
27	J. Gerardi			10th	100	Mann
28	J. bufonius	var		923	100	Bolander
29	J. repens				100	Ravenel
30.	J. biformis	stylosus			100	Bolander
31	J. t.	brachystylus			100	"
32	J. t.	macrostylus		2711	40	"
33	J. marginatus	vulgaris			47	Porter
34	J. m	v.	gracilis		100	Bigelow

11 74

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				147		
35	J. marginatus	vulgaris debilior			100	Ravenel
36	J. m	~~stramineus~~ intermedius			100	"
37	J. m	ad ciliorum.		11½	100	Bigelow
38	J. m	ciliosus	747		100	Commons
39	J. m	cil			100	Ravenel
40	J. falcatus				100	Kellogg & Bolander
41	J. f.	paucidentatus			64	Bolander
42	J. obtusatus				100	Bolander
43	J. Congestylis				64	"
44	J. C.	latifolius			100	"
45	J. polycarpus	punctiformis		12th	44	Zuckerman
46	J. p.	proliferus			100	Smith & Leidy
47	J. p.	~~vaginatus~~	742		62	Chapman
48	J. articulatus				100	Bartwell
49	J. a				50	Tuckerman
50	J. ~~articulatus~~	~~nigricans~~ obtusatus			58	Scribner & ~~Boott~~ England
51	J. alpinus	nigricans			100	Bigelow.
52	J. militaris				100	Robbins
53	J. ~~militaris~~	dubius			80	Boland & ~~Robbins~~
54	J. ~~Elliottii~~	~~hystricinus~~		13	100	Chapman & ~~Hall~~
55	J. arcuatus	hystricinus			100	Hall
56	J. a	l	764		84	Bigelow
57	J. a	hystricinus. gracilis			100	Bigelow
58	J. a	hys. 4924			100	Ravenel
59	J. a	~~hystricinus~~ proliferus			100	~~Commons~~
60	J. a.	debilis			100	Ravenel
61	J. a	d.		1 prolifer	100	A
62	J. a	robustus			100	Engelm
63	J. Brachycarpus			14th	100	Hall
64	J. b				100	Bigelow
65	J scirpoides	macrostemon			100	Smith
66	J. sc	m	985		72	Ravenel
67	J. c.	m.	Labatus		100	Ch "

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68	I. scorpioides	echinatus		14+	49	Chapman
69	I. "	polycephalus		5949	64	"
70	I. occidentalis	geminiflorus			100	Bigelow
71	I. "	"			100	Bigelow
72	I. "	I. minor			30	Mann
73	I. "	I. elatus			100	Bigelow
74	I. "	megacephalus			100	"
75	I. "	"	montanus	16+	30	Parry
76	I. Canadensis	coarctatus		986	92	Wheeler
77	I. C	coarctatus			100	Gillman
78	I. C.	C	patulus		32	Porter
79	I. C	Brachycephalus			100	Bigelow
80	I. C	subcanadensis	glaucidus		72	Porter
81	I. C	"	glaucus		30	Smith
82	I. C.	I.	nigrescens		100	Canning
83	I. C	congeroanadensis		6935	100	Smith & Porter
84	I. C	C.			100	Bigelow
85	I. C	C.			100	Ravenel
86	I C	C.		17+	70	"
87	I. C.	long.		873	100	Ravenel
88	I. C.	long	compactus		45	Canning
89	I. canadensis				100	Ravenel
90	I. C.				79	Chapman
91	I. asper				100	Smith
92	I. Mertensianus				32	P.
93	I. ×iphioides	Littonlii		T808	47	Kellogg.
94	I. ×	tricandus			100	Bolander
95	I. oxypetalus				100	"
96	I. phaeocephalus	gloriosus		18+	100	Kellogg
97	I. ph	paniculatus		490	24	"
98	I. ph.	gracilis			66	Bolander
99	I. chlorocephalus			8298.	100	"

38 species
15 important varieties.
53

(9 here for the first time described
11 very rare, or some of them critical

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Sets № 1–23	are complete	and have	99 specimens
24		№ 22 wanting	98 "
25–30	also	" 97 "	97
31–32	"	72. 75. 81	94
33–40		78. 92	92
41–44		32	91
45		45	90
46. 47		16. 88	88
48. 49		33. 93	86
50		68	85
51–57		12. 49	83
58		5	82
59–62		50	81
63–64		2. 47	79
65–66		20. 41. 43. 69	75
67–70		21. 98	73
71. 72		86	72
73. 74		10. 66. 80	69
75–79		1–13	67
80		90	66
81–84		52	65
85–92		4. 56	63
93–100		76	62

Sets 1–23	are complete		99 specimens
24–30		have № 22 & 97 wanting	97–98 specimens
31–40		also 72. 75. 81. 78. 92	92–94
41–50		also 32. 45. 16. 88. 33. 93. 68	85–91
51–60		also 12. 49. 5. 50.	80–83
61–70		also 2. 47. 20. 41. 43. 69. 21. 98.	73–81
71–80		86. 10. 66. 80. 1. 13. 90	66–72
81–90		52. 4. 56	63–65
91–99		76	62–63

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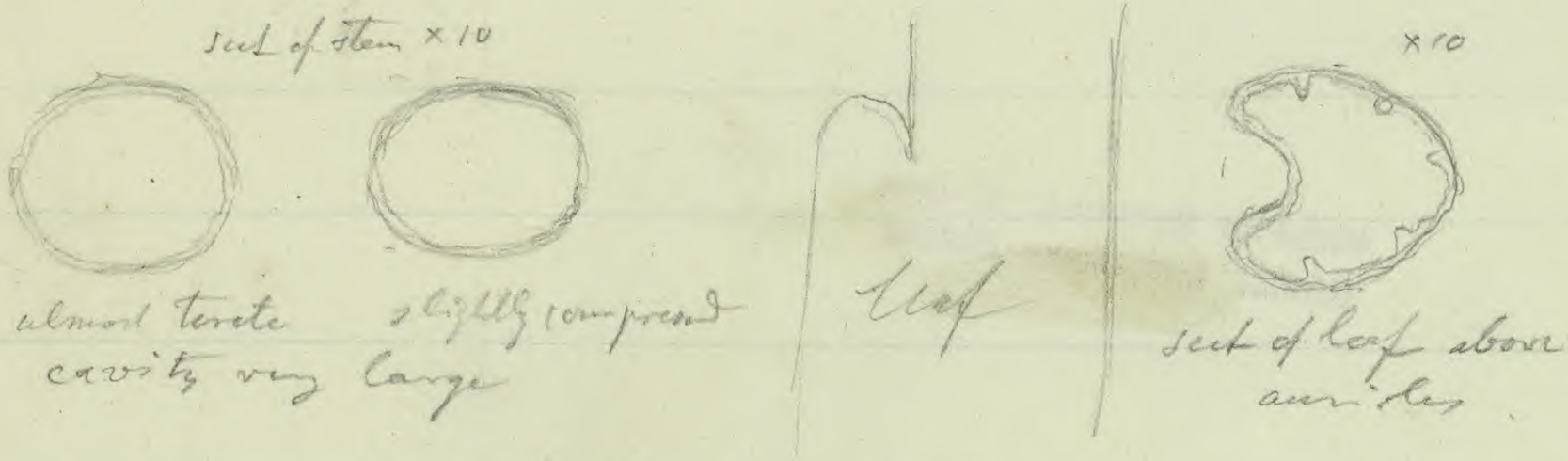
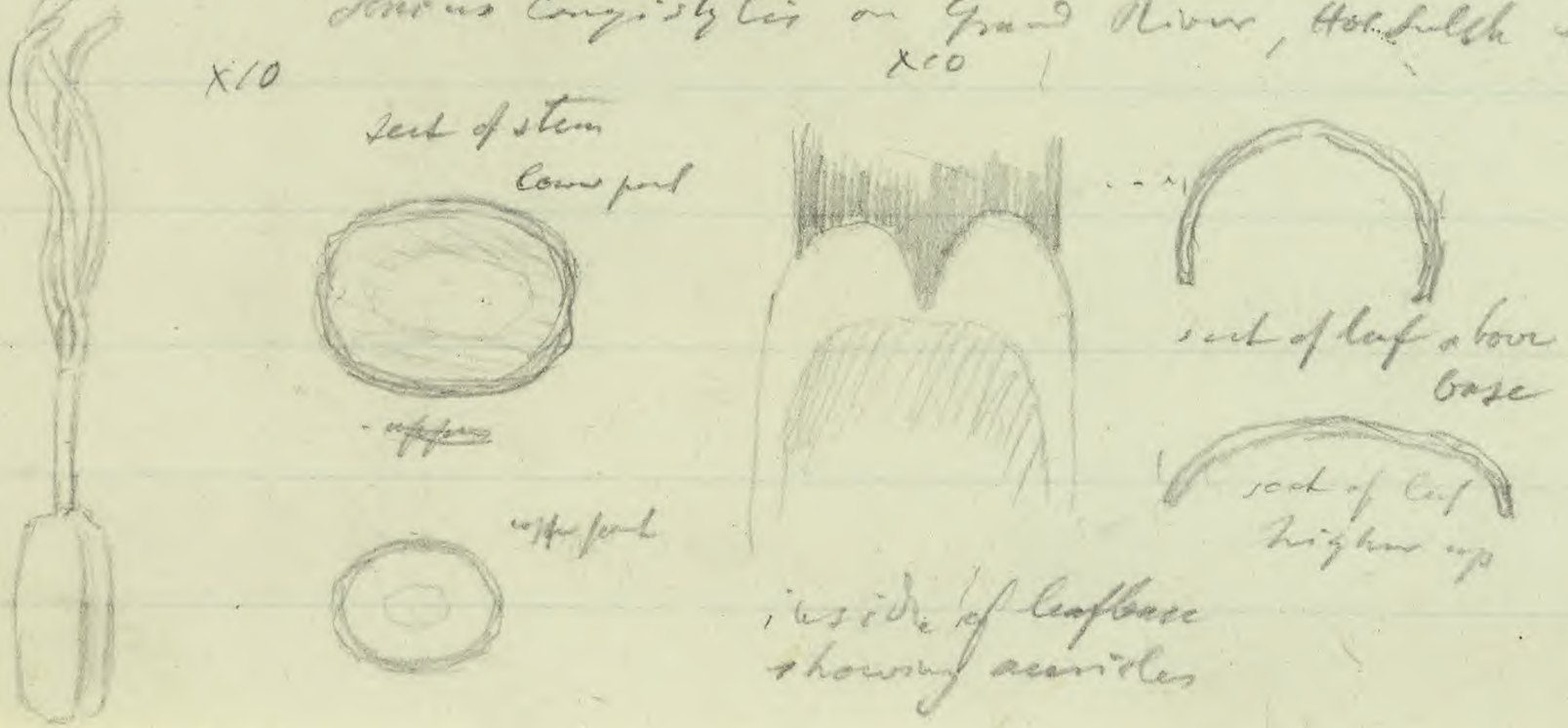
MISSOURI BOTANICAL GARDEN

Juncus Mertensianus with a small contracted panicle of several, to 6, heads, ofte in two clusters, on Grand River, Hot Sulphur Springs, Aug 2 1881



Juncus Longistylis on Grand River, Hot Sulph Spring Aug 2 1881



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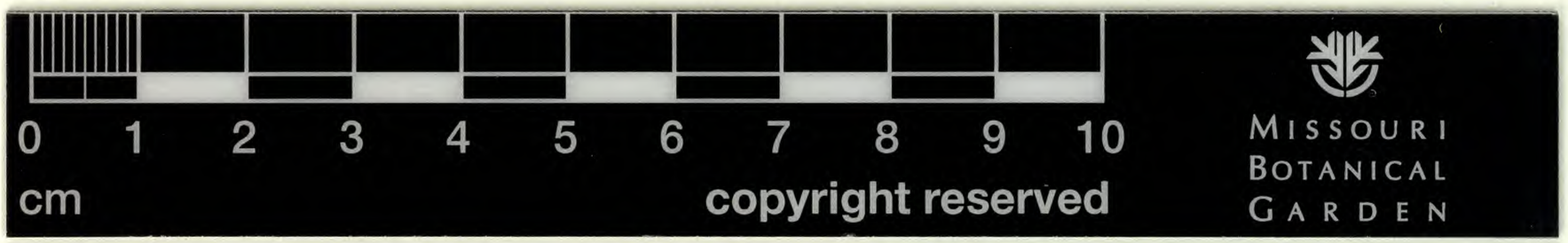

Juncus Oreganus n. sp. of the section ~~Septati~~ Articulati; slender
= J. dubius
erect stems, 1-1½ feet high, from a creeping rootstock, covered with reddish membranaceously margined sheaths at base; a few basal and about 2 stem leaves, terete slightly septate shorter than the ~~panic~~ simple or simply compound panicle, auricled at base; heads 5-8 flowered; flowers (1½ lines long) pale green, sepals of equal length (inner ones obtuse, mucronate, with broad membranaceous margins) Stamens 3 or some times 6, linear anthers longer than the filaments, ovary attenuated into a style of the same length; prismatic capsule acute or cuspidate 1-celled, about the length of the sepals; seeds ovate acute at both ends reticulated, the areas cross-lined.

— Along springs on the Columbia River, Washington Territory, W. N. Suksdorf; E. Hall Herb. Reg. No 548 under J. acuminatus, from which the creeping rootstock and the slender style sufficiently distinguish it; The Californian J. dubius stands nearer to it, but has more compound panicles and ~~stem~~ acuminate exsert capsules. Both however are closely allied to the extremely variable J. xiphioides We know not yet whether compressed (leaves and terete) may occur in forms of one species, as I had formerly assumed, or whether such a difference constitutes specific distinction.

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